

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original) A manufactured dry ice product comprising ozone entrapped or physically absorbed on or within the product or both.

Claim 2 (original) The dry ice product of claim 1 being essentially free of water.

Claim 3 (currently amended) The dry ice product of claim 2 ~~optionally~~ further comprising less than 1 wt. % water.

Claim 4 (currently amended) The dry ice product of claim 1 ~~optionally containing~~ further comprising up to 5,000 ppm water.

Claim 5 (original) The dry ice product of claim 1 in the form of shaped dry ice units.

Claim 6 (original) The dry ice product of claim 5 wherein said dry ice units are compression molded blocks.

Claim 7 (original) The dry ice product of claim 1 in the form of pellets.

Claim 8 (original) The dry ice product of claim 1 in the form of powder or flakes.

Claim 9 (original) The dry ice product of claim 1 wherein said ozone is

present in amounts of at least 0.1 ppm by weight.

Claim 10 (original) The dry ice product of claim 9 wherein said ozone is present in amounts of from 1 to 100 ppm.

Claim 11 (original) The dry ice product of claim 10 wherein said ozone is present in amounts of 1 to 10 ppm by weight.

Claim 12 (original) The dry ice of product claim 11 being essentially free of water.

Claim 13 (currently amended) The dry ice product of claim 12 wherein said dry ice product optionally contains water in an amount of less than 1 wt. %.

Claim 14 (original) A process for producing an ozonated dry ice product comprising contacting a gaseous ozone stream with liquid carbon dioxide to form a mixture, subsequently cooling the mixture of carbon dioxide and ozone to form dry ice solid containing ozone entrapped or absorbed on or in said dry ice solid.

Claim 15 (original) The process of claim 14 wherein said liquid carbon dioxide is at a pressure of at least 70 psig.

Claim 16 (original) The process of claim 15 wherein said gaseous ozone is at a pressure of at least 90 psig.

Claim 17 (original) The process of claim 14 wherein said gaseous ozone stream comprises a mixture of ozone and oxygen.

Claim 18 (currently amended) The process of claim 17 wherein said gaseous ozone stream ~~optionally contains~~ further comprises an inert gas.

Claim 19 (original) The process of claim 14 wherein said dry ice solid is in the form of a powder or flake.

Claim 20 (original) The process of claim 14 wherein said dry ice solid is compressed into blocks.

Claim 21 (original) The process of claim 14 wherein said dry ice solid is extruded into pellets.

Claim 22 (original) The process of claim 14 wherein said liquid carbon dioxide is provided from a supply of liquid carbon dioxide at a pressure of from 200 to 300 psig and wherein said supply of liquid carbon dioxide is expanded to a lower pressure of at least 70 psig.

Claim 23 (original) The process of claim 14 wherein said mixture of ozone and liquid carbon dioxide is cooled by expansion in a dry ice press, and said solid dry ice is pressed into blocks.

Claim 24 (original) The process of claim 22 wherein said mixture of ozone and liquid carbon dioxide is cooled by expansion in a dry ice press, and said solid dry ice is pressed into blocks.

Claim 25 (original) The process of claim 22 wherein said gaseous ozone stream is injected into said liquid carbon dioxide as said supply of liquid carbon dioxide is expanded to said lower pressure.

Claim 26 (original) The process of claim 22 wherein said gaseous ozone stream is injected into said liquid carbon dioxide subsequent to said supply of liquid carbon dioxide being expanded to said lower pressure.

Claim 27 (original) The process of claim 14 wherein said gaseous ozone stream comprises 10 to 15% by weight ozone.

Claim 28 (original) A process of producing an ozonated dry ice product comprising contacting a gas stream containing ozone having a pressure of at least 90 psig with dry ice so as to entrap or absorb said ozone.

Claim 29 (original) The process of claim 28 wherein said dry ice is in the form of powder, flakes, or pellets.

Claim 30 (original) The process of claim 29 wherein said dry ice is in the form of powder or flakes and subsequent to contact with said gas stream, said powder or flakes are extruded into pellets.

Claim 31 (original) A method of chilling a food product comprising placing a food product in the proximity of a dry ice solid containing entrapped or absorbed ozone such that during sublimation of the dry ice, ozone is released therefrom for contact with said food product.

Claim 32 (original) The process of claim 31 wherein said placed food product is in storage during transport.

Claim 33 (original) The process of claim 31 wherein said placed food product is in stationary storage.

Claim 34 (original) The process of claim 31 wherein said dry ice is in the form of blocks.

Claim 35 (original) The process of claim 31 wherein said dry ice is in the form of powder, flakes, or pellets and said dry ice is placed in contact with said food product.

Claim 36 (original) The process of claim 31 wherein said dry ice is essentially free of water.

Claim 37 (currently amended) The process of claim 31 wherein said dry ice ~~optionally contains~~ further comprises water up to less than 1 wt. %.

Claim 38 (currently amended) The process of claim 31 wherein said dry ice ~~optionally contains~~ further comprises water up to 5,000 ppm by weight.

Claim 39 (original) The process of claim 31 wherein said dry ice contains at least 0.1 ppm by weight ozone.

Claim 40 (original) The process of claim 31 wherein said dry ice contains 1 to 100 ppm by weight ozone.

Claim 41 (original) The process of claim 31 wherein said dry ice contains 1 to 10 ppm by weight ozone.

Claim 42 (original) The process of claim 41 wherein said dry ice is essentially free of water.

Claim 43 (currently amended) The process of claim 41 wherein said dry ice

~~optionally contains~~ further comprises water in amounts less than 1 wt. %.

Claim 44 (currently amended) The process of claim 41 wherein said dry ice
~~optionally contains~~ further comprises water in amounts of up to 5,000 ppm
by weight.